

ROUTINE  
R 060920Z JUN 02 PSN 053694L27  
FM COMNAVSURFLANT NORFOLK VA//N602A/N6/N602//  
TO NAVSURFLANT SHIPS  
SIMA MAYPORT FL  
SIMA NORFOLK VA  
SIMA NRMF INGLESIDE TX  
SIMA PASCAGOULA MS

INFO CINCLANTFLT NORFOLK VA  
COMNAVSURFPAC SAN DIEGO CA  
COMNAVAIRLANT NORFOLK VA  
FLETRACEN NORFOLK VA  
NAVSURFWARCENDIV DAHLGREN VA

BT  
UNCLAS //4734//  
MSGID/GENADMIN/COMNAVSURFLANT N602A/012/JUN//  
SUBJ/COMBAT SYSTEMS FIBER OPTIC REPAIR//  
REF/A/DOC/COMNAVSURFOR/27FEB2002//  
AMPN/REF A IS SURFACE FORCE TRAINING MANUAL COMNAVSURFORINST 3502.1//  
POC/JOHNNIE CLEVELAND/CIV/CNSL N602A/LOC:NORVA/TEL:757-836-3296  
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RMKS/1. THE PURPOSE OF THIS MESSAGE IS TO PROVIDE FIBER OPTIC GUIDANCE  
AND  
TO REQUEST SUBMISSION OF FIBER OPTIC SURVEY.  
2. BACKGROUND. FIBER OPTIC REPAIR CAPABILITY IS ESSENTIAL TO  
MAINTAINING THE FIBER OPTIC CABLE PLANT (FOCP) AND FIBER OPTIC  
COMPONENTS OF SYSTEMS INSTALLED THROUGHOUT SURFACE SHIPS. THESE EFFORTS  
WILL NOT SUCCEED WITHOUT A STRONG SHIPBOARD ORGANIZATION AND TECHNICIANS  
WITH THE TRAINING, FIBER OPTIC REPAIR KITS, TEST EQUIPMENT, AND  
MEASUREMENT  
QUALITY JUMPERS (MQJ).  
3. FIBER OPTIC EQUIPMENT. THE FIBER OPTIC TEST EQUIPMENT MUST BE  
AVAILABLE, CALIBRATED AND READY FOR USE. THE TEST EQUIPMENT PETTY  
OFFICER  
SHOULD MAINTAIN CUSTODY OF ALL FIBER OPTIC TEST EQUIPMENT AND PROVIDE TO  
FIBER OPTIC TECHNICIANS AS NEEDED. THE FIBER OPTIC KITS AND CABLES  
SHOULD  
BE ASSIGNED TO THE 2M WORK CENTER (CE99) FOR INVENTORY AND WILL BE  
REVIEWED  
DURING 2M RECERTIFICATION VISITS.  
A. FIBER OPTIC TEST EQUIPMENT ALLOWANCE IS DOCUMENTED IN THE SHIP/  
SHORE PORTABLE ELECTRICAL/ELECTRONIC TEST EQUIPMENT REQUIREMENTS LIST  
(SPETERL).  
B. THE FIBER OPTIC TEST EQUIPMENT INCLUDES THE FOLLOWING: OPTICAL  
TIME DOMAIN REFLECTOMETER (SCAT 4310), OPTICAL TIME DOMAIN REFLECTOMETER  
(SCAT 4318), OPTICAL LEAK DETECTOR (SCAT 4319), AND OPTICAL LOSS TEST  
SET  
(SCAT 4954).  
4. MAINTENANCE. PREVENTIVE MAINTENANCE SHALL BE AVOIDED. FIBER  
OPTIC CABLE SYSTEMS ARE PASSIVE IN NATURE WITH EXTREMELY HIGH INHERENT  
RELIABILITY. CORRECTIVE MAINTENANCE IS ACCOMPLISHED BY EITHER  
ORGANIZATIONAL LEVEL OR INTERMEDIATE LEVEL TECHNICIANS PERFORMING FAULT  
ISOLATION, INSTALLATION, REPAIR/REPLACEMENT OF FIBER OPTIC COMPONENTS,  
AND  
VERIFICATION TESTING. FIBER OPTIC REPAIRS WILL BE DOCUMENTED USING THE  
MINIATURE MICROMINIATURE (2M) MODULE TEST AND REPAIR TRACKING SYSTEM  
(MTRTS).  
5. TRAINING. IAW REF A, EACH SHIP WILL HAVE BETWEEN 1-5 FIBER OPTIC  
TECHNICIANS DETERMINED BY SHIP CLASS. TRAINING IS AVAILABLE AT THE

BASIC

FIBER OPTIC MAINTENANCE COURSE (A-670-0063) AT FTC NORFOLK.

6. SURVEY. REQUEST EACH SHIP COMPLETE THE FIBER OPTIC SURVEY AVAILABLE FROM THE SURFLANT 2M/CALIBRATION WEB PAGE. THE PURPOSE OF THE SURVEY IS TO DOCUMENT FIBER OPTIC OUTFITTING LEVELS OF TEST EQUIPMENT AND KITS.

7. THE 2M/CALIBRATION WEB PAGE IS ACCESS CONTROLLED. THIS WEB SITE HAS ALL 2M/CALIBRATION REFERENCES AND MESSAGES. RECOMMEND THE EMO/TEST EQUIPMENT P.O. FORWARD AN EMAIL TO ORIG POC FOR ACCESS.//

BT

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